



SuperSpeed USB 3.0 SATA Bridge Controller Application Note

REV.

1.3

SHT

1 of 1

SUBJECT

Supported SPI Serial Flash

PRODUCT NUMBER/NAME

PL2771 / PL2773 / PL2775
SuperSpeed USB 3.0 SATA Bridge Controllers**Scope and Purpose:**

This application note provides a list of supported external serial memory for Prolific USB 3.0 SATA Bridge Controllers PL2771/PL2773/PL2775. External serial memory is used to store the Vendor ID, Product ID, Device Release Number in device descriptor, Attributes and Max Power setting in configuration descriptor, Strings of String Descriptor and some chip operation mode configuration. A new version external firmware is also stored or updated in this memory.

- **SPI Serial Flash:** Currently this is the required case. This case uses SPI Serial Flash to store chip configuration data or configuration data with new firmware. New firmware will be loaded while system startup. The SPI interface is a four-pin interface but this chip uses only three pins to communicate with. Therefore, the DI and DO are shorted or short by a serial 240-ohm resistor is better.

PL277x Tested SPI Serial Flash List

Maker	Model No.	Density
AMIC	A25LS512	512 Kbit
Chingis (PMC)	PM25LV512	512 Kbit
EON	EN25F05	512 Kbit
GigaDevice	GD25Q512TCP	512 Kbit
GigaDevice	GD25Q10TCP	1 Mbit
Macronix	MX25L512CMI	512 Kbit
Macronix	MX25L512MC	512 Kbit
SST	SST25VF512	512 Kbit
Chingis (PMC)	PM25LV010E	1 Mbit
Chingis (PMC)	PM25LV010E (33M)	1 Mbit
Macronix	MX25L1005MC	1 Mbit
Macronix	MX25L40	4 Mbit

Note: Please contact Prolific FAE for the latest Manufacturing Kit (MFG Kit) program for supporting the above list.

<http://www.prolific.com.tw/eng/downloads.asp?ID=131>

Last Update: 10/14/2011
Updates are in blue colors.